

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
15 January 2004 (15.01.2004)

PCT

(10) International Publication Number
WO 2004/006178 A1

(51) International Patent Classification⁷: G06K 19/077

(21) International Application Number: PCT/CA2003/001003

(22) International Filing Date: 2 July 2003 (02.07.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 60/393,317 3 July 2002 (03.07.2002) US

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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

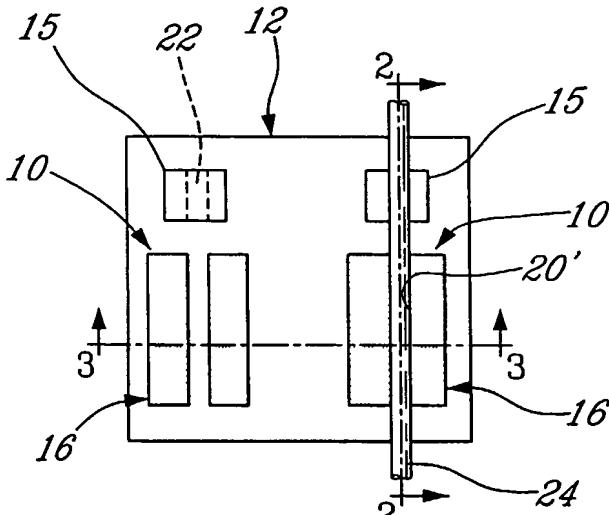
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: WIRE POSITIONING AND MECHANICAL ATTACHMENT FOR A RADIO-FREQUENCY IDENTIFICATION DEVICE



(57) **Abstract:** An antenna terminal positioning structure for a radio-frequency identification device having terminal pads mounted to one of its surface is obtained providing a wall assembly mounted to the device surface, the wall assembly having at least one wall surface extending from the device surface so as to be aligned with a target area on the electrical pad. The target is sufficiently large to receive the antenna terminal. An appropriate positioning of the antenna terminal on the pad is obtained by abutting the antenna terminal against the at least one wall surface. A mechanical attachment is activated between the antenna terminal and the positioning structure using a well-known process such as thermo-compression, ultra-violet (UV) or Laser soldering, mono or bi-components gluing etc., depending of the material of the positioning structure. The present positioning structure and attachment process are also applicable in other micro-electronic fields such as micro-sensors and micro-electronic machines (MEMs).